

Project Weekly report

Topic:- Modelling and Prediction of Athletic Readiness based on Training Load

Group Name: QuadML

Project Definition: 7

Group Member's names: Shashvi Shah, Riya Sudani, Dev Dave , Jeel Patel, Yashaswi Patel

Further Steps :

- Perform cluster interpretation and summarize key findings.
- Apply factor analysis to reduce dimensionality and enhance interpretability.
- Link clusters to athletic readiness outcomes (if available).
- Train predictive models using clusters and reduced features.
- Visualize clusters and trends using PCA/t-SNE and radar plots.
- Finalize cluster summaries for the report and presentation.